71. A purified or isolated ICAM-1 preparation substantially free of natural contaminants, wherein said purified or isolated ICAM-1 exhibits at least one biological activity of native ICAM-1.

72. The purified or isolated ICAM-1 preparation as claimed in claim 71, wherein said purified or isolated ICAM-1 can bind LFA-1.

73. The purified or isolated ICAM-1 preparation as claimed in claim 71, wherein said purified or isolated ICAM-1 can bind lymphocytes.

74. The purified or isolated ICAM-1 preparation as claimed in claim 71, wherein said purified or isolated ICAM-1 can bind human rhinovirus.

75. The purified or isolated ICAM-1 preparation as claimed in claim 71, wherein said purified or isolated ICAM-1 is human spleen ICAM-1 having a molecular weight from about 72 kDa to about 91 kDa.

76. The purified or isolated ICAM-1 preparation as claimed in claim 71, wherein said purified or isolated ICAM-1 is ICAM-1 of JY cells having a molecular weight from about 76.5 kDa to about 97 kDa.

77. The purified or isolated ICAM-1 preparation as claimed in claim 71, wherein said purified or isolated ICAM-1 is ICAM-1 of a myelomonocytic cell line having a molecular weight of about 114 kDa.

78. The purified or isolated ICAM-1 preparation as claimed in claim 71, wherein said purified or isolated ICAM-1 is fibroblast ICAM-1 having a molecular weight of about 97 kDa.

79. The purified or isolated ICAM-1 preparation as claimed in claim 71, wherein said purified or isolated ICAM-1 has the amino acid sequence of Figure 8.

80. A lipid membrane comprising isolated or purified ICAM-1 substantially free of natural protein contaminants, wherein said isolated or purified ICAM-1 is in a biologically active form.

81. The lipid membrane as claimed in claim 80, wherein said ICAM-1 exhibits at least one biological activity selected from the group consisting of: LFA-1 binding, lymphocyte binding, and human rhinovirus binding.

82. The lipid membrane as claimed in claim 80, wherein said lipid membrane is an artificial planar membrane.

83. The lipid membrane as claimed in claim 80, wherein said isolated or purified ICAM-1 has the amino acid sequence of Figure 8.

84. A biologically active ICAM-1 molecule produced by the process of :

a) providing a recombinant DNA molecule comprising a nucleotide sequence encoding the amino acid sequence of Figure 8 operably linked to an expression control sequence;

b) expressing ICAM-1 in a host cell comprising said recombinant DNA molecule; and

c) purifying or isolating said ICAM-1 from said host cell.

85. The biologically active ICAM-1 as claimed in claim 84, wherein said host cell is a prokaryotic host cell.

86. The biologically active ICAM-1 as claimed in claim 84, wherein said host cell is a eukaryotic host cell.--